

Conference Program

The conference venue:

YUANZHENG QIZHEN Hotel

No 866 Yuhangtang Road, Hangzhou

会议酒店：圆正启真酒店

杭州市西湖区余杭塘路 866 号（浙江大学紫金港校区内）

Hotel website: www.yz-hotels.cn

园正启真酒店房间十分紧张，请参会作者提前自行预定酒店房间。

园正启真酒店订房电话：0571-88202888(预定时报浙江大学计算机学院会议为协议价)

紫金港校区附近还有其他酒店，如紫金港国际饭店、紫金港大酒店、香树 e 家商务酒店。

紫金港国际饭店订房电话：0571-89710000

紫金港大酒店订房电话：0571-89977006

香树 e 家商务酒店订房电话：0571-87361535

August 24(Friday), 2018 (at YUANZHENG QIZHEN Hotel)

15:00 – 20:00, Registration

August 25 (Saturday), 2018 (at YUANZHENG QIZHEN Hotel)

8:00 – Registration

8:20 – 8:30 Opening Session Shunshui Hall on the 4th floor)四楼舜水厅

8:30 – 9:00 Keynote talk

Prof. Yuhui Shi

9:00 – 10:20 Session 1 (12 mins per presentation)- Shunshui Hall on the 4th floor)四楼舜水厅

(Moderator: Zejian Lee)

6 A Novel Decision Tree based on Profit Variance Maximization Criterion for Customer Churn Problem

Zhang Xiaokai

15 Estimation of Driver's Attention Level Based on Correlation Analysis of Movements

Peng Xiangjun

16 Pupil location method based on feature searching and C-V extension model

Zhao Weichi

20 A Novel Backtracking Search with Grey Wolf Algorithm for Optimization

Jia Dongbao

21 Regression Analysis in Estimating Gas Usage

Xu Heyuan

23 Fusion research of visible and infrared images based on IHS transform and regional variance wavelet transform

Zeng Xiangjin

28 Robust Interference Suppression and Tracking Control of Underactuated Systems Based on Equivalent Input Disturbance

Bao Hanqiu

32 Promoting Binary Hash Code's Discriminability by Category Centers for Image Retrieval

Zhang Yulu

35 CI Medical Monitoring and Algorithm Research Platform

Chen Yousheng

36 Simulation of Anti-torpedo-torpedo Intercepting Trajectory and Analysis of Hit Probability under Sliding Mode Guidance

Zhang Rui

135 Finger Braille Teaching System using Tablet Computer

Yasuhiro Matsuda

10:10— 10:20 Coffee break

10:20 — 12:00 Session 2 (12 mins per presentation)- Shunshui Hall on the 4th floor)

四楼舜水厅

(Moderator: Zejian Lee)

50 An Intelligent Fault Detection Method based on Sparse Auto-Encoder for Industrial Process Systems: A Case Study on Tennessee Eastman Process Chemical System

Ren Hao

54 Research on tactile image reconstruction algorithm for the blind based on corner matching

Zhang Qinghui

60 Faster RCNN for Printing Nozzle Detection in Complex Scene

Zhuang Jiafu

64 Controlling the Bifurcation in the Buck Converter Under Noise Background

Jia Meimei

75 Research on parameter feature for SPEAK-based speech processing strategy in cochlear implant

Chen Yousheng

80 Negative Correlation Learning Enhanced Search Behavior in Backtracking Search Optimization

Xu Zhe

90 A Low-complexity Autonomous 3D Localization Method for Unmanned Aerial Vehicles by Binocular Stereovision Technology

Yu Shasha

92 Research and application of thermocouple lead welding robot used in spacecraft

Zhang Ning

93 Identifying Core Technologies based on A Two-Stage QFD Model

Xu Yingqiao

94 Towards A Personalized Item Recommendation Approach in Social Tagging Systems Using Intuitionistic Fuzzy DBSCAN

Guan Chun

12:00 — 13:20 Lunch (on the 1st floor)

13:20 — 15:20 Session 3 (12 mins per presentation)- (Shunshui Hall on the 4th floor)

四楼舜水厅

(Moderator: Yunsong Xiao)

105 Intelligent Sorting System of Coal Gangue with Machine Vision

- Zhao Minghui
- 109 Real-time Flow Identification Based on Neural Network and OpenFlow over SDN
Xie Xiaosong
- 113 Benefit Analysis for ADS-B Surveillance System based on China Airspace Capability Model
Dong Haiyong
- 121 3D Sonar Image Reconstruction Based on Multilayered Mesh Search and Triangular Connection
Li Zhihua
- 129 Improvement of Power Allocation Strategy for Pure Electric Vehicles of Composite Power Based on ADVISOR
Zhou Qixuan
- 131 Improved Droop Control Method for Micro-turbine Generator Set
Zhou Qixuan
- 132 Research on Command Decision Support System AI Problem Decomposition
Jin Xin
- 134 Research on Loading System Based on SVPWM Direct Torque Control
Zhou Qixuan
- 136 The Effect of Stimulus-onset Asynchrony on Audiovisual Brain-Computer Interface System
Chen Lu
- 138 Using Convolutional Neural Networks For Identification Based On EEG Signals
Di Yang
- 141 Plane Depth Estimation Based on Single Image and Projection of Four Laser Points
Li Xianfa
- 145 Dynamic Characteristic Analysis of Planar Piezoelectric Six-Axis Force/Torque Sensor
Liu Jun
- 155 A Stable Local Reactive Obstacle Avoidance Algorithm for High-Speed Unmanned Surface Vehicle
Tang Pingpeng

15: 20— 15:30 Coffee break

15:30 — 17:30 Session 4 (12 mins per presentation)- (Shunshui Hall on the 4th floor)

四楼舜水厅

(Moderator: Yunsong Xiao)

- 159 An Adaptive Corner Detection Algorithm Based on Edge Features
Li Zhanli
- 178 BGP Face retrieval based on coding pyramid
Li Liwei
- 181 The Acquisition of Characteristics of Hydro-pneumatic Suspension Cylinder Based on Parameter Correction
Liu Peng
- 182 Investigation on Nonlinear Speed Regulating System in a High-Pressure Common-Rail Diesel

Mao Xiaobing

187 Research on Application of Rapid Reagent Detection Based on Visual Inspection

Zhang Cong

191 Realtime Registration for Phased-array Submarine Sonar Image

Li Zhihua

192 A Coverage Approach for Wireless Sensor Network in Specified Scenario Condition

Er Wei

193 Precision Distribution Method of Navigation System Based on Improved Artificial Fish Swarm Algorithm

Sun Xunlai

198 Analysis of the Effect of Agent's Perception in the Combat Operation Experiments

Wen Chuan

202 Improvement of real time detection algorithm based on SSD

Zhou Tao

204 Human Behavior Recognition Based on Regional Fusion Feature

Li Zhanli

205 Identifying Key Nodes of Network Based on Subjective-Objective Weighting Method for Structural Holes

Xue Hongye

17:30 — Banquet and Closing (on the 2nd floor)

Baidu map of conference venue – [YUANZHENG QIZHEN Hotel \(圆正启真酒店\)](#)

